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RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/813,781ADATE: 04/15/1999  
TIME: 11:25:36

INPUT SET: S31475.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

ENTERED

## SEQUENCE LISTING

1  
2  
3 (1) General Information  
4  
5 (i) APPLICANT: Weidanz, Jon A.  
6 Card, Kimberlyn F.  
7 Wong, Hing C.  
8  
9 (ii) TITLE OF INVENTION: FUSION PROTEINS COMPRISING BACTERIOPHAGE COAT PROTEIN  
10  
11 (iii) NUMBER OF SEQUENCES: 130  
12  
13 (iv) CORRESPONDENCE ADDRESS:  
14 (A) ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP  
15 (B) STREET: 130 Water Street  
16 (C) CITY: Boston  
17 (D) STATE: MA  
18 (E) COUNTRY: USA  
19 (F) ZIP: 02109  
20  
21 (v) COMPUTER READABLE FORM:  
22 (A) MEDIUM TYPE: Diskette  
23 (B) COMPUTER: IBM Compatible  
24 (C) OPERATING SYSTEM: DOS  
25 (D) SOFTWARE: FastSEQ Version 1.5  
26  
27 (vi) CURRENT APPLICATION DATA:  
28 (A) APPLICATION NUMBER: 08/813,781  
29 (B) FILING DATE: March 7, 1997  
30 (C) CLASSIFICATION:  
31  
32 (vii) PRIOR APPLICATION DATA:  
33 (A) APPLICATION NUMBER:  
34 (B) FILING DATE:  
35  
36  
37  
38 (viii) ATTORNEY/AGENT INFORMATION:  
39 (A) NAME: CORLESS, PETER F.  
40 (B) REGISTRATION NUMBER: 33,860  
41 (C) REFERENCE/DOCKET NUMBER: 46745  
42  
43 (ix) TELECOMMUNICATION INFORMATION:  
44 (A) TELEPHONE: 617 523 3400  
45 (B) TELEFAX: 617 523 6443  
46 (C) TELEX:

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47  
48  
49 (2) INFORMATION FOR SEQ ID NO:1:  
50  
51 (i) SEQUENCE CHARACTERISTICS:  
52 (A) LENGTH: 28 base pairs  
53 (B) TYPE: nucleic acid  
54 (C) STRANDEDNESS: single  
55 (D) TOPOLOGY: linear  
56  
57 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:  
58  
59 CGGCCATGGC CCAGCTGCAG ACTAGTGC28  
60  
61 (2) INFORMATION FOR SEQ ID NO:2:  
62  
63 (i) SEQUENCE CHARACTERISTICS:  
64 (A) LENGTH: 35 base pairs  
65 (B) TYPE: nucleic acid  
66 (C) STRANDEDNESS: single  
67 (D) TOPOLOGY: linear  
68  
69 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  
70  
71 GGCCGCACTA GTCTGCAGCT GGGCCATGGC CGGCT35  
72  
73 (2) INFORMATION FOR SEQ ID NO:3:  
74  
75 (i) SEQUENCE CHARACTERISTICS:  
76 (A) LENGTH: 45 base pairs  
77 (B) TYPE: nucleic acid  
78 (C) STRANDEDNESS: single  
79 (D) TOPOLOGY: linear  
80  
81 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:  
82  
83 CTCGCGGCCC AGCCGGCCAT GGCCGAGGCT GCAGTCACCC AAAGC45  
84  
85 (2) INFORMATION FOR SEQ ID NO:4:  
86  
87 (i) SEQUENCE CHARACTERISTICS:  
88 (A) LENGTH: 32 base pairs  
89 (B) TYPE: nucleic acid  
90 (C) STRANDEDNESS: single  
91 (D) TOPOLOGY: linear  
92  
93 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:  
94  
95 CTTCCCTCACT AGTACAGTCT GCTCGGCCCC AG32  
96  
97 (2) INFORMATION FOR SEQ ID NO:5:  
98  
99 (i) SEQUENCE CHARACTERISTICS:

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100 (A) LENGTH: 30 base pairs  
101 (B) TYPE: nucleic acid  
102 (C) STRANDEDNESS: single  
103 (D) TOPOLOGY: linear  
104  
105 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:  
106  
107 GATGGCCTCG AGGAGCAGGT GGAGCAGCTT30  
108  
109 (2) INFORMATION FOR SEQ ID NO:6:  
110  
111 (i) SEQUENCE CHARACTERISTICS:  
112 (A) LENGTH: 33 base pairs  
113 (B) TYPE: nucleic acid  
114 (C) STRANDEDNESS: single  
115 (D) TOPOLOGY: linear  
116  
117 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:  
118  
119 GACTAGCCCCG GGACAGGGAA CGTCTGAACT GGG33  
120  
121 (2) INFORMATION FOR SEQ ID NO:7:  
122  
123 (i) SEQUENCE CHARACTERISTICS:  
124 (A) LENGTH: 45 base pairs  
125 (B) TYPE: nucleic acid  
126 (C) STRANDEDNESS: single  
127 (D) TOPOLOGY: linear  
128  
129 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:  
130  
131 CTCGCGGCCC AGCCGGCCAT GGCCGAGCAG GTGGAGCAGC TTCCT45  
132  
133 (2) INFORMATION FOR SEQ ID NO:8:  
134  
135 (i) SEQUENCE CHARACTERISTICS:  
136 (A) LENGTH: 33 base pairs  
137 (B) TYPE: nucleic acid  
138 (C) STRANDEDNESS: single  
139 (D) TOPOLOGY: linear  
140  
141 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:  
142  
143 CTCGCGCTCG AGGAGGCTGC AGTCACCCAA AGC33  
144  
145 (2) INFORMATION FOR SEQ ID NO:9:  
146  
147 (i) SEQUENCE CHARACTERISTICS:  
148 (A) LENGTH: 33 base pairs  
149 (B) TYPE: nucleic acid  
150 (C) STRANDEDNESS: single  
151 (D) TOPOLOGY: linear  
152

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153 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:  
154  
155 CTCGCGCCCG GGACAGTCTG CTCGGCCCCA GGC33  
156  
157 (2) INFORMATION FOR SEQ ID NO:10:  
158  
159 (i) SEQUENCE CHARACTERISTICS:  
160 (A) LENGTH: 33 base pairs  
161 (B) TYPE: nucleic acid  
162 (C) STRANDEDNESS: single  
163 (D) TOPOLOGY: linear  
164  
165 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:  
166  
167 CTCGCGACTA GTACAGGGAA CGTCTGAACT GGG33  
168  
169 (2) INFORMATION FOR SEQ ID NO:11:  
170  
171 (i) SEQUENCE CHARACTERISTICS:  
172 (A) LENGTH: 30 base pairs  
173 (B) TYPE: nucleic acid  
174 (C) STRANDEDNESS: single  
175 (D) TOPOLOGY: linear  
176  
177 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:  
178  
179 CTCGCGCCCG GGGTCTGCTC GGCCCCAGGC30  
180  
181 (2) INFORMATION FOR SEQ ID NO:12:  
182  
183 (i) SEQUENCE CHARACTERISTICS:  
184 (A) LENGTH: 30 base pairs  
185 (B) TYPE: nucleic acid  
186 (C) STRANDEDNESS: single  
187 (D) TOPOLOGY: linear  
188  
189 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:  
190  
191 CTCGCGACTA GTGGGAACGT CTGAACTGGG30  
192  
193 (2) INFORMATION FOR SEQ ID NO:13:  
194  
195 (i) SEQUENCE CHARACTERISTICS:  
196 (A) LENGTH: 30 base pairs  
197 (B) TYPE: nucleic acid  
198 (C) STRANDEDNESS: single  
199 (D) TOPOLOGY: linear  
200  
201 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:  
202  
203 CTCGCGACTA GTGTCTGCTC GGCCCCAGGC30  
204  
205 (2) INFORMATION FOR SEQ ID NO:14:

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206  
207 (i) SEQUENCE CHARACTERISTICS:  
208 (A) LENGTH: 30 base pairs  
209 (B) TYPE: nucleic acid  
210 (C) STRANDEDNESS: single  
211 (D) TOPOLOGY: linear  
212  
213 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:14:  
214  
215 CTCGCGCCCCG GGGGGAACGT CTGAACTGGG30  
216  
217 (2) INFORMATION FOR SEQ ID NO:15:  
218  
219 (i) SEQUENCE CHARACTERISTICS:  
220 (A) LENGTH: 34 base pairs  
221 (B) TYPE: nucleic acid  
222 (C) STRANDEDNESS: single  
223 (D) TOPOLOGY: linear  
224  
225 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:15:  
226  
227 CTCGCGCTCG AGCGAGGCTG CAGTCACCCA AAGC34  
228  
229 (2) INFORMATION FOR SEQ ID NO:16:  
230  
231 (i) SEQUENCE CHARACTERISTICS:  
232 (A) LENGTH: 37 base pairs  
233 (B) TYPE: nucleic acid  
234 (C) STRANDEDNESS: single  
235 (D) TOPOLOGY: linear  
236  
237 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:16:  
238  
239 GGGGGGCCCCG GGGCTGAGGG TGACGATCCC GCAAAAG37  
240  
241 (2) INFORMATION FOR SEQ ID NO:17:  
242  
243 (i) SEQUENCE CHARACTERISTICS:  
244 (A) LENGTH: 67 base pairs  
245 (B) TYPE: nucleic acid  
246 (C) STRANDEDNESS: single  
247 (D) TOPOLOGY: linear  
248  
249 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:17:  
250  
251 CTAGTCTGGT GCGGTTGGCA GCGGCGGTGG TGTTCCGGT GCGGCGGTT CTGGCGGTGG60  
252 CGGTTCC67  
253  
254 (2) INFORMATION FOR SEQ ID NO:18:  
255  
256 (i) SEQUENCE CHARACTERISTICS:  
257 (A) LENGTH: 67 base pairs  
258 (B) TYPE: nucleic acid

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**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/08/813,781A**

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Line

Error

Original Text